

What is claimed is:

[Claim 1] A method of automatically re-establishing a GPRS/EDGE connection between a mobile station and a network following a successfully executed network detach request, the method comprising:

in the mobile station:

determining if a detach type parameter associated with the network detach request is set to re-attach not required;
if the detach type parameter associated with the detach request is set to re-attach not required, and the detach cause parameter associated with the detach request does contain a null value, then monitoring a timeout parameter; and
automatically initiating a GPRS/EDGE re-attachment with the network upon expiration of the timeout parameter.

[Claim 2] The method of claim 1 wherein the timeout parameter is a T3212 timeout value according to the GSM specification.

[Claim 3] The method of claim 1 wherein the timeout parameter is a T3302 timeout value according to the GSM specification.

[Claim 4] A computer program product resident within a mobile station for automatically re-establishing a GPRS/EDGE connection between the mobile station and a network following a successfully executed network detach request, the computer program product comprising:

computer program code for determining if a detach type parameter associated with the network detach request is set to re-attach not required;
if the detach type parameter associated with the detach request is set to re-attach not required, and the detach cause parameter associated with the detach request does contain a null value, then computer program code for monitoring a timeout parameter; and

computer program code for automatically initiating a GPRS/EDGE re-attachment with the network upon expiration of the timeout parameter.

[Claim 5] The computer program product of claim 4 wherein the timeout parameter is a T3212 timeout value according to the GSM specification.

[Claim 6] The computer program product of claim 4 wherein the timeout parameter is a T3302 timeout value according to the GSM specification.

[Claim 7] A system for automatically re-establishing a GPRS/EDGE connection between the mobile station and a network following a successfully executed network detach request, the system comprising:

means for determining if a detach type parameter associated with the network detach request is set to re-attach not required;
if the detach type parameter associated with the detach request is set to re-attach not required, and the detach cause parameter associated with the detach request does contain a null value, then means for monitoring a timeout parameter; and
means for automatically initiating a GPRS/EDGE re-attachment with the network upon expiration of the timeout parameter.

[Claim 8] The system of claim 7 wherein the timeout parameter is a T3212 timeout value according to the GSM specification.

[Claim 9] The system of claim 7 wherein the timeout parameter is a T3302 timeout value according to the GSM specification.